

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/701,883	11/05/2003	Nabil L. Muhanna	M112 1071.1	6707
26158 7590 06/20/2007 WOMBLE CARLYLE SANDRIDGE & RICE, PLLC				
ATTN: PATEN	ENT DOCKETING 32ND FLOOR PRONE, CHRISTOPHER D			ISTOPHER D
P.O. BOX 7037 ATLANTA, GA			ART UNIT PAPER NUMBER	
, 0.			3738	
			MAIL DATE	DELIVERY MODE
			06/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	H		
,	Application No.	Applicant(s)	
	10/701,883	MUHANNA ET AL	
Office Action Summary	Examiner	Art Unit	
	Christopher D. Prone	3738	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ddress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. lely filed the mailing date of this c D (35 U.S.C. § 133).	
Status	•		
 Responsive to communication(s) filed on 19 Ag This action is FINAL. Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro		e merits is
Disposition of Claims			
4)	2 <u>7-30 and 41-45</u> is/are withdrawr is/are allowed.	• •	on.
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine 11).	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 C	7 7
Priority under 35 U.S.C. § 119	•	•	
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National	Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Paper No(s)/Mail Date 1/29/67 11/10/0²	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite	

Application/Control Number: 10/701,883

Art Unit: 3738

DETAILED ACTION

Election/Restrictions

Upon further review claims 3, 16, and 22 remain withdrawn from consideration because the grooves of the elected species are continuous as described in claim 2, which is clearly shown in figure 24, the cross-section is not rectangular also shown in figure 24, and no sheath is shown in any of figures 23-26.

However claims 15, 21, and 26, previously withdrawn from consideration as a result of a restriction requirement, are hereby rejoined.

Claim Objections

Claims 15, 21, and 26 are objected to because of the following informalities: they are dependent upon a cancelled claim. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claim 48 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claim requires that a groove on top of the implant is not collinear with a groove on the bottom. This is not true about the elected species, as seen in figure 24. All grooves 160 appear to be collinear. It is unclear exactly what the applicant means by co linear.

Art Unit: 3738

Claim 22 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 4, 6-10, 15, 18-20, and 48-50 are rejected under 35 U.S.C. 102(b) as being anticipated by United States Patent 5,782,919 Zdeblick et al.

Zdeblick discloses a vertebral body replacement comprising a body 10, nonparallel top and bottom surfaces (shown near reference numbers 27 and 18) having window 27 and protrusions 19, two growth hole faces 22 having 4 through holes 24 and 25, continuous grooves located between the serrations 18 and 19 extending along the top and bottom surfaces having a depth that extends parallel to planar surface 12. The first growth hole face is considered planar because the examiner is only viewing the central section (22) as the surface. The second growth hole face is considered arcuate because the examiner is viewing the entire side surface as the face including the central portion and its curved edges. Zdeblick further disclose use of a second identical implant for insertion along side the first.

Art Unit: 3738

In regards to claim 2 the grooves on the top surface extend completely through the top surface from the first growth hole face to the second growth hole face.

In regards to claims 48-50 Zdeblick discloses a plurality of grooves that extend perpendicular to the posterior surface and are separated by openings. The first groove on the top is clearly not collinear with the last groove on the bottom. Each groove also comprises two serrations forming its upper boundaries.

Response to Arguments

Applicant's arguments with respect to all claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Application/Control Number: 10/701,883

Art Unit: 3738

the advisory action. In no event, however, will the statutory period for reply expire later

Page 5

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Christopher D. Prone whose telephone number is (571)

272-6085. The examiner can normally be reached on Monday Through Fri 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Corrine McDermott can be reached on (571) 272-4754. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher D Prone Examiner

Art Unit 3738

G CDP

CORRINE MCDERMOTT
SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 3700